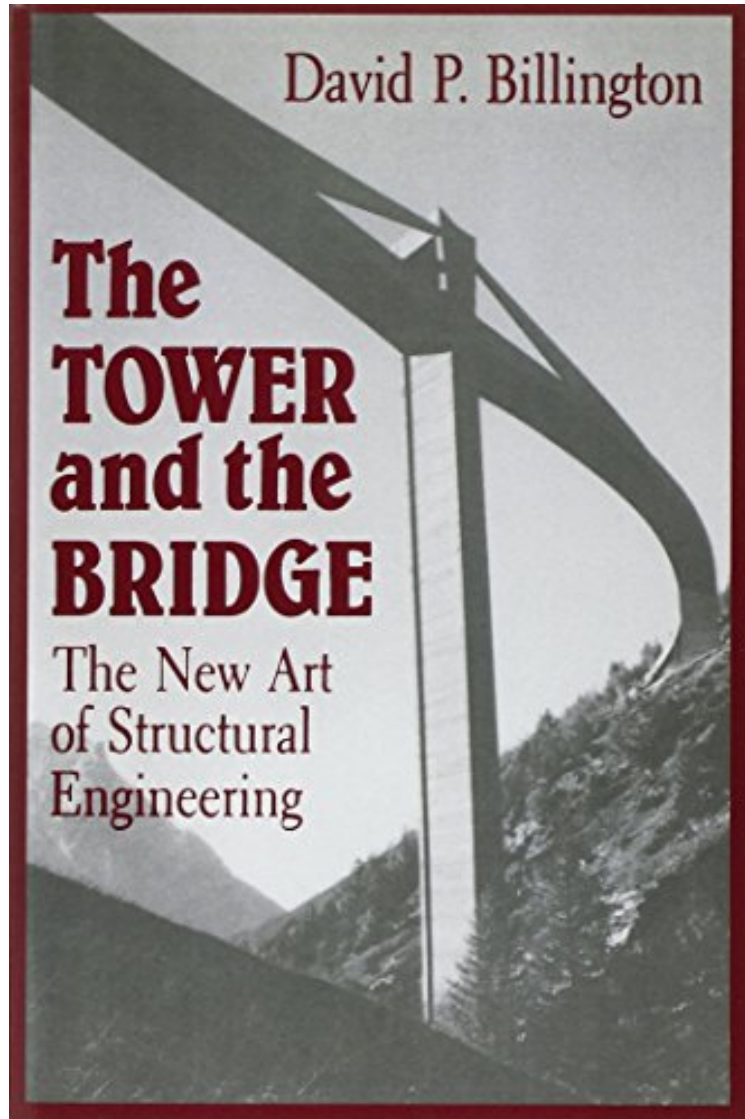


[Download] The Tower and the Bridge: The New Art of Structural Engineering

## The Tower and the Bridge: The New Art of Structural Engineering

*David P. Billington*

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**David P. Billington : The Tower and the Bridge: The New Art of Structural Engineering** before purchasing it in order to gage whether or not it would be worth my time, and all praised The Tower and the Bridge: The New Art of Structural Engineering:

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From my own experience, I've always been frustrated with the tendency of the architecture community to either completely overlook the aesthetic works of the great structural engineers or shamelessly claim them as their own. This book is beyond a simple consensus of great engineering works; it is Billington's clear and rational case for the distinction of the discipline of Structural Art - the engineer's means of expression - from that of Architecture. This book is just the thing any student or young professional in structural engineering should have along with their library of technical books. Instead of explaining the aesthetics and beauty of structures in vague architectural terms, Billington looks at them in terms of the technical (formwork, stress diagrams, material economy, etc.). When has an architectural critic discussed the elegance behind a moment diagram? I think anyone who loves architecture and great works of engineering will appreciate this book. If you like this, I would also recommend Billington's 'Robert Maillart and the Art of Reinforced Concrete' and Salvadori's 'Why Buildings Stand Up'.

What do structures such as the Eiffel Tower, the Brooklyn Bridge, and the concrete roofs of Pier Luigi Nervi have in common? According to this book, now in its first paperback edition, all are striking examples of structural art, an exciting form distinct from either architecture or machine design. Aided by a number of stunning illustrations, David Billington discusses leading structural engineer-artists, such as John A. Roebling, Gustave Eiffel, Fazlur Khan, and Robert Maillart.

"David P. Billington is clearly moved by great structures--he means it when he says that major works of structural engineering are like the art of poetry, while architecture is the art of prose. . . . This is a book on structural engineering that sees its subject as part of the larger drama of history and culture, and for the breadth of this stance alone, it is impressive."--New York Times Book  
From the Back Cover  
What do structures such as the Eiffel Tower, the Brooklyn Bridge, and the concrete roofs of Pier Luigi Nervi have in common? According to this book all are striking examples of structural art, an exciting form distinct from either architecture or machine design.